S No 49/16-17
E 7-7-16

1st Ra bill

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR No. 49/16-17

Dt. 7-7-16

No. Date:

Division: **Electrical (Yelahanka)** Sub- Division:

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate)**:providing Annual Maintenance and Repairs to Electrical Installation at J.C.(Yelahanka)Zonaloffice building,Bytarayanapura**

Contractor and Full Address:**M/s Chowdehwari Electricals,**

Work Order No: : **EE/(Elec)/YZ/WO/15/2015-16 Dated : 06-01-2016**

Reference to Agreement Date ..... **Job No:- 07-15-000041**

6-1-16 to 6-6-16 (6month) **Pcode:-**

Certified that the measurements were taken by me on 7/7/16 and recorded of pages 310610 to 6.19 of Measurement Book No 3105 and that the work is satisfactorily executed.

For CHOWDESHWARI ELECTRICALS

Contractor **Officer in charge of work**

Proprietor

Certified that the measurements were taken by me on 07-07-2016 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

Sub-division Officer

II Memorandum of Payment

76) Total value of work done or supplies as per account within	Bill - 319370=00
77) Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3194=00
78) " Balance	VAT W/C 4% 12775=00
79) Deduct payment :	FSD 5% 15.969=00
ee) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....	Lwc 1% 3194=00
Amount adjusted towards cash advance recovery of	CBED 1% 319=00
ff) Payments cost store or other material supplied. Now made recovery amount creditable to this/ other work	deductions 35.451=00
Amount paid on this bill cheque/cash	Cheque 2.83.919=00
80) Balance being unpaid value of work done held in reserve	
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments	
7) Net amount due to or from contractor	
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied	

For CHOWDESHWARI ELECTRICALS

Contractors Signature

Received Rs.....(in words)

.....

by cash and adjustment of payment as per memorandum.

Witnesses :

1.

2.

Dated .....Signature of contractor

Paid by me by cheque No.....Dated

Cash Rs.....Dated.....

Proprietor

Initials of Officer making payment

ಲಕ್ಕಶೀರ್ಷಿಕೆ ...P0204 M&R Elec...

ರೂ: 319370=00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

Stamp

ರೂ: 283919=00 ಗೆ ನಿಡಬಹುದಾಗಿದೆ

35451=00 ಮೊಂಬಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಿಭಾಗ

Executive Engineer (Ele)

(For use in the office)

Proprietor

Sl. No	Description of Item	Unit
	Annual Maintenance and Repairs to Electrical Installation at J.C.(Yelahanka) Zonal office building, Bytarayanapura	
1	Electrician (Licenced Electrical wiremen fitter/Electrician with tools) Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 8 days in a month X 12 month)	Days/pe on
2	Helper Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 96 days in an year (Weekly Twice i.e 8days in a month X 12 month)	Days/pe on
3	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place. P.No-105 I.No-16.12	Each
4	Supplying and fixing/replacing of fluorescent tube. 18 to 40Watts P.No-105 I.No-16.15.1	Each
5	Supply and fixing of heavy duty open construction ferromagnetic copper ballast for 20/40 watts fluorescent tubes. P.No-105 I.No-16.11	Each
6	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp.. P.No-105 I.No-16.18	Each
7	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder. P.No-105 I.No-16.18	No
8	Supply and fixing of 230 volts CFL lamp holder 2Pin Holder P.No-105 I.No-16.20.1	No
9	Supply and fixing of 230 volts CFL lamp starter base P.No-106 I.No-16.22	No
10	Supplying of of 2 pin/4 pin 9-11W CFL Lamp P.No-29 I.No-4.38.16	Each
11	Releasing the existing fan checking, testing and installation at the same place.P.No-104 I.No- 16.80	Each
12	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries. upto 4mfd P.No-104 I.No- 16.3.1	Each
13	Supplying and replacing ceiling fan regulator 900mm to 1500mm P.No-104 I.No- 16.6	Each
14	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM P.No-104 I.No- 16.4.3	Each
15	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws Remote type P.No-104 I.No- 16.2.3	Each

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		45	160.00	7200.00	45	7200.00	
		45	160.00	7200.00	45	7200.00	
		27	30.00	810.00	27	810.00	
		20	75.00	1500.00	20	1500.00	
		21	150.00	3150.00	21	3150.00	
		23	30.00	690.00	23	690.00	
		19	30.00	570.00	19	570.00	
		42	60.00	2520.00	42	2520.00	
		20	30.00	600.00	20	600.00	
		65	75.00	4875.00	65	4875.00	
		8	25.00	200.00	8	200.00	
		8	80.00	640.00	8	640.00	
		5	150.00	750.00	5	750.00	
		5	500.00	2500.00	5	2500.00	
		3	900.00	2700.00	3	2700.00	

16	Supplying and fixing 6Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50Hz AC Supply. P.No-104 I.No- 16.27	No
17	Operator Light/Pump Vibrator/Grinder/Air Conditioner Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 48 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/person
18	Cleaner Basic Rs. 140.20 Per Day Per Person. + DA Rs. 84.73 Per Day Per Person = Rs. 224.93 Per Day Per Person Total 48 days in an year (Weekly Twice i.e 4 days in a month X 12 month)	Days/person
19	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube. Split type P.No-79 I.No- 9.11	mtr
20	Supplying and fixing capacitor`s (of approved make) for window /split air conditioners. 25 to 45mfd running capacitor. P.No-80 I.No-9.14.1	Each
21	Supplying and fixing capacitor`s (of approved make) for window /split air conditioners. 80 to 200mfd starting capacitor.. P.No-80 I.No-9.14.2	Each
22	Supplying & fixing relay for over load protection for window and split air conditioners. P.No-80 I.No-9.15	Each
23	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split/ window air conditioners. P.No-80 I.No-9.16	Each
24	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.P.No-80 I.No-9.17	P/Kg
25	Supplying & fixing of thermostat for window type air conditioner. Multi range 30 to 60 degree Centigrade (without probe), adjustable universal type. P.No-80 I.No-9.18	Each
26	Supplying and fixing electro mechanical / Pneumatic time switches. P.No-80 I.No-9.19	Each
27	Supplying, erecting, testing and commissioning of voltage stabilizer suitable for 170 to 270 v in put and load variation from no load to full load, with over load protection, spike suppression, operating at 00 C to 400 C. Range etc., complete. 5KVA Capacity P.No-88 I.No. 12.1.3	Each
35	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each
36	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.3) 5-32 Amps DP	Each

		2	600.00	1200.00	2	1200.00	
		24	600.00	14400.00	24	14400.00	
		24	200.00	4800.00	24	4800.00	
		10	1000.00	10000.00	10	10000.00	
		2	450.00	900.00	2	900.00	
		1	500.00	500.00	1	500.00	
		2	300.00	600.00	2	600.00	
		2	3000.00	6000.00	2	6000.00	
		14	800.00	11200.00	14	11200.00	
		1	450.00	450.00	1	450.00	
		1	1100.00	1100.00	1	1100.00	
		2	4500.00	9000.00	2	9000.00	
		3	400.00	1200.00	3	1200.00	
		3	750.00	2250.00	3	2250.00	

	6.16.1) 5-32Amps SP	Each
37	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	No
38	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.2) 32Amps	Each
39	Supply of 2'x2' LED recessed luminaire with ...Watts system wattage. Housing shall be with pressure die cast aluminum alloy with corrosion proof resistant polyester power coated. Driver operates with voltage range from 100V to 270V 50/60 Hz with short circuit, overload & mis-wiring protection. Lumen Maintenance of 70% at 50000 Hrs. Injection moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction temperature shall be < 70 degree Celsius. Driver is on constant current driver @ 0.06A with PF > 0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens with < 80mm depth. 5 years Warranty against any manufacturing defect working under standard electrical condition	
	4.33.1) LED modular down light 1'x1'-36 watts	No
	4.33.2) LED modular down light 2'x2'-36 watts	No
40	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders	Each
	Grand Total Rs	

Certificate: 1. The Above said Work has been carreidout satisfactorily

2. Amount claimed in this bill has not been claimed any of the previous bill

A. E.E. (Electricals)

		2	380.00	760.00	2	760.00	
		2	2500.00	5000.00	2	5000.00	
		3	160.00	480.00	3	480.00	
				0.00		0.00	
		31	6500.00	201500.00	31	201500.00	
		14	700.00	9800.00	14	9800.00	
		31	75.00	2325.00	31	2325.00	
				319370.00		**319370.00**	